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APPLICATION NO.	ATION NO. FILING DATE		FIRST NAMED INVENTOR Sung-Joo Ben Yoo	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,396		02/22/2002		UC02-232-1	1562
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CHARLES GUENZER; C/O PARK, VAUGHAN, & FLEMING, LLP				EXAMINER	
508 SECOND STREET SUITE 201				VALENCIA, DANIEL E	
DAVIS, CA	95616		ſ	ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Communication Commu		Application No.	Applicant(s)					
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2a This action is FINAL. 2b This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-10 and 24-26, drawn to an integrated optical router, classified in class385, subclass 14.
- II. Claims 11-18, drawn to a method of optically routing packets, classified in class359, subclass 124.
- III. Claims 19-21, drawn to an optical router for multi-wavelength signal, classified in class 359, subclass 128.
- IV. Claims 22-23, drawn to an optical delay line, classified in class 385, subclass 27.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention I functions as an optical router using arrayed waveguide gratings and wavelength converters for routing in between four sets of ports. On the other hand, Invention II functions by impressing packet signals onto silica optical fiber bands.

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Inventions I and III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention I functions as an optical router using arrayed waveguide gratings and wavelength converters for routing in between four sets of ports. On the other hand, Invention III as an optical router that functions as a switch with wavelength carriers containing switching information and payload information employing the use of demultiplexers.

Inventions I and IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention I functions as an optical router using arrayed waveguide gratings and wavelength converters for routing in between four sets of ports. On the other hand, Invention IV functions as an optical delay line.

Inventions II and III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention II functions by impressing packet signals onto silica optical fiber bands. On the other hand, Invention III as an optical

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router that functions as a switch with wavelength carriers containing switching information and payload information employing the use of demultiplexers.

Inventions II and IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention II functions by impressing packet signals onto silica optical fiber bands. On the other hand, Invention IV functions as an optical delay line.

Inventions III and IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the different inventions have different functions. For example, Invention III as an optical router with wavelength carriers containing switching information and payload information employing the use of demultiplexers. On the other hand, Invention IV functions as an optical delay line.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel E Valencia whose telephone number is (703)-305-4399. The examiner can normally be reached on Monday-Friday 9:30-6:00.

The fax phone numbers for the organization where this application or proceeding is assigned are (703)-308-7724 for regular communications and (703)-308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-0956.

dv

February 27, 2003

John D. Les Primary Examiner